

11/16/01  
1130 U.S. PTO

PTO/SB/05 (2/98)  
Approved for use through 09/30/2000. OMB 0651-0032

Use type a plus sign (+) inside this box → ☐

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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.		4015-1702	
First Inventor or Application Identifier		Dayong Chen	
Title	DTX DETECTION METHOD WITH HIGH SUCCESS PROBABILITY		
Express Mail Label No.		EL014468805US	

1c997 U.S. PTO  
10/002722  
11/16/01

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 21]  
(preferred arrangement set forth below)
  - Descriptive title to the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 7]
4. ☒ Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies


## ACCOMPANYING APPLICATION PARTS

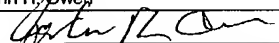
8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
14. ☐ \*Small Entity ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Other: Express Mail Certification

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary statement:
- |                                       |                                     |   |  |
|---------------------------------------|-------------------------------------|---|--|
| <input type="checkbox"/> Continuation | <input type="checkbox"/> Divisional | <input type="checkbox"/> Continuation-in-part (CIP) | of prior application No: _____ / _____ |
| Prior application information:        |                                     |   | Examiner: _____                        |
|                                       |                                     |   | Group/Art Unit: _____                  |

## 18. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label				or <input type="checkbox"/> Correspondence address below	
(Insert Customer No. 24412 (attach bar code label here))					
NAME		PATENT & TRADEMARK OFFICE			
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CITY	STATE	ZIP CODE			
COUNTRY	TELEPHONE	FAX			

Name (Print/Type)	John R. Owen	Registration No. (Attorney/Agent)	42,055
Signature		Date	November 16, 2001

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**FEE TRANSMITTAL**

Patent fees are subject to annual revision on October 1

These are the fees effective December 29, 1999.

Small Entity payments must be supported by a small entity statement.  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

**TOTAL AMOUNT OF PAYMENT** (\$816.00)**Complete if Known**

Application Number	TBA
Filing Date	TBA
First Named Inventor	Dayong Chen
Examiner Name	TBA
Group Art Unit	TBA
Attorney Docket No.	4015-1702

**METHOD OF PAYMENT (check one)**

- 1.
- ☒
- The Commission is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 18-1167

Deposit Account Name Coats &amp; Bennett, P.L.L.C.

- ☒
- Charge Any Additional Fee Required Under 37 CFR §§1.16 and 1.17
- ☐
- Charge the Issue Fee Set in 37 CFR §1.18 at the Mailing of the Notice of Allowance

- 2.
- ☒
- Payment Enclosed:
- 
- ☒
- Check
- ☐
- Money Order
- ☐
- Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	690	201	345	Utility filing fee	740.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
109	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1)</b>					<b>(\$740.00)</b>

**2. EXTRA CLAIM FEES**

Total Claims		Extra Claims		Fee from below		Fee Paid	
22	-20** = 2	2	X 18.00	=	36.00		
3	-3** = 0	0	X 80.00	=	0		
Multiple Dependent Claims			X				

\*\* or number previously paid, if greater; For Reissues, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
103	18	203	9	Claims in excess of 20	
102	78	202	39	Independent claims in excess of 3	
104	260	204	130	Multiple dependent claim	
109	78	209	39	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 over original patent	
<b>SUBTOTAL (2)</b>					<b>(\$36.00)</b>

**FEE CALCULATION (continued)**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examination action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	605	Petition to revive - unintentional	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt.	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)					
Other fee (specify)					
*Reduced by Basic Filing Fee Paid					
<b>SUBTOTAL (3)</b>					<b>(\$40.00)</b>

**SUBMITTED BY**

Typed or Printed Name John R. Owen

Signature 

Date November 16, 2001

**Complete (if applicable)**

Reg. Number 42,055

Deposit Account User ID 18-1167

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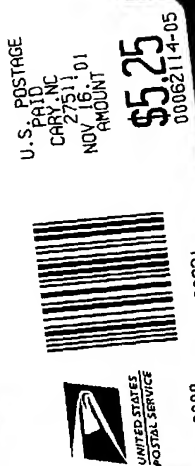
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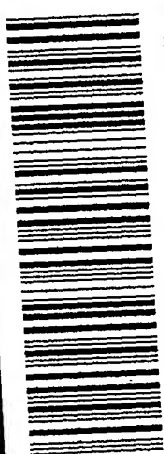
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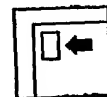
☐ WAIVER OF SIGNATURE

If addressee or addressee's agent is not available to sign for delivery, I authorize that the delivery employee's signature constitutes valid proof of delivery if this item can be left in a secure location.

CUSTOMER SIGNATURE



**1. COMPLETE ADDRESS LABEL AREA**  
Type or print required return address and addressee information in customer block (white area) or on label (if provided).



**2. PAYMENT METHOD**  
Affix postage or meter strip to area indicated in upper right hand corner.

**3. ATTACH LABEL (if provided)**  
Remove label backing and adhere over customer address block area (white area).



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Chen et al.

Serial No. \_\_\_\_\_

Filed: \_\_\_\_\_

For: DTX DETECTION METHOD WITH HIGH  
SUCCESS PROBABILITY

Attorney's Docket No. 4015-1702

**Express Mail Certification**  
**Label No. EV014468805US**

Raleigh, North Carolina

November 16, 2001

Commissioner for Patents  
**BOX PATENT APPLICATION**  
Washington, D.C. 20231

Sir:

**EXPRESS MAIL CERTIFICATE LABEL NO. EV014468805US**

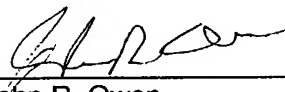
**DATE MAILED: November 16, 2001**

I hereby certify that the enclosed Utility Patent Application Transmittal, Fee Transmittal Form (2 copies), specification and claims, drawings (1 set of 7 sheets), Declaration and Power of Attorney, Assignment and Recordation Sheet, Information Disclosure Form and related patents, and our Check # 5313 in the amount of \$816.00, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to Commissioner for Patents, BOX PATENT APPLICATION, Washington, D.C. 20231.

Respectfully submitted,

**COATS & BENNETT, P.L.L.C.**

By:

  
\_\_\_\_\_  
John R. Owen  
Registration No. 42,055

Telephone: (919) 854-1844